MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Super Stud Building Products South, LLC
2960 Woodbridge Avenue
Edison, NJ 08837

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: FRO MAR Composite Wall Panel System

APPROVAL DOCUMENT: Drawing No. **SSBP0001,** titled "Impact Fro Mar Composite Structural Wall Panel System", sheets 1 through 7 of 7, dated 01/07/2009, with revision D dated 10/27/2014, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, Hattiesburg, MS and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews and revises NOA # 08-1219.02** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

04/24/2015

NOA No. 14-1103.04
Expiration Date: March 31, 2020
Approval Date: April 30, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **SSBP0001,** titled "Impact Fro/Mar Composite Structural Wall Panel System", sheets 1 through 7 of 7, dated 01/07/09, with revision D dated 10/27/2014, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

B. TESTS *"Submitted under NOA # 08-1219.02"*

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along with marked-up drawings and installation diagram of FRO / MAR Steel Wall Panel System, prepared by Certified Testing Laboratories, Test Report No. **CTLA 1697W**, dated 12/13/2007, signed and sealed by Ramesh Patel, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   2) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along with marked-up drawings and installation diagram of FRO MAR Steel Wall Panel System with Window Opening, prepared by Certified Testing Laboratories, Test Report No. **CTLA 1697W-1**, dated 12/13/2007, signed and sealed by Ramesh Patel, P.E.
3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along with marked-up drawings and installation diagram of FRO MAR Steel Wall Panel System with Door Opening, prepared by Certified Testing Laboratories, Test Report No. **CTLA 1697W-2**, dated 12/13/2007, signed and sealed by Ramesh Patel, P.E.
4. Test report on Panels Racking Loading of FRO MAR Steel Wall Panel System per ASTM E72-98, prepared by Certified Testing Laboratories, Test Report No. **CTLA1697W-3**, dated 12/04/08, signed and sealed by Ramesh Patel, P.E.
5. Test report on Panels Compressive Loading per ASTM E72 and Material Tensile Loading per ASTM E8, of FRO MAR Steel Wall Panel System, prepared by Architectural Testing, Inc., Report No. **83797.01-119-16,** dated 09/24/2008, signed by Joseph A. Reed, P.E.

04/24/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-1103.04
Expiration Date: March 31, 2020
Approval Date: April 30, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (Cont.)

6. Test report on Panels Tensile Loading per ASTM E72 and Material Tensile Loading ASTM E8, of FRO MAR Steel Wall Panel System, prepared by Architectural Testing, Inc., Report No. **94061.01-119-18,** dated 11/25/2009, signed by Joseph A. Reed, P.E.

C. CALCULATIONS

1. Structural steel shear wall component calculations prepared by PTC Product Design Group, LLC, dated 10/27/2014, signed and sealed by Robert J. Amoruso, P.E.

   "Submitted under NOA # 08-1219.02"

2. Structural steel shear wall component qualifications, Report No. 1224, Revision No. 2, pages 1 through 13 of 13, dated 02/02/2010, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Listing report on Surface Burning Characteristics of the EPS Insulation Boards per ASTM E84-05, prepared by Radco, Listing # **1182.**

F. STATEMENTS

1. Statement letter of code conformance with the 2010 and the 5th edition (2014) of the FBC and of no financial interest, prepared by PTC Product Design Group, LLC, dated 10/27/2014, signed and sealed by Robert J. Amoruso, P.E.

   "Submitted under NOA # 08-1219.02"

2. Statement letter of code compliance and no financial interest, prepared by PTC, LLC, dated 12/17/2008, signed and sealed by Paul Winter, P.E.

04/24/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-1103.04
Expiration Date: March 31, 2020
Approval Date: April 30, 2015

SUPER STUD BUILDING PRODUCTS SOUTH, LLC

IMPACT FRO MAR COMPOSITE STRUCTURAL WALL PANEL SYSTEM

PRODUCT EVALUATION REPORT CRITERIA

1. THIS PRODUCT EVALUATION DOCUMENT REPRESENTS A COMPOSITE STRUCTURAL WALL PANEL SYSTEM DESIGNED AND TESTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC).
2. WHEN THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM IS UTILIZED IN CONSTRUCTION IN ACCORDANCE WITH THIS PRODUCT EVALUATION DOCUMENT, IT COMPLIES WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
3. THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM DESCRIBED IN THIS PRODUCT EVALUATION DOCUMENT MEETS THE LARGE MISSILE IMPACT CRITERIA OF THE HVHZ.
4. THIS PRODUCT EVALUATION DOCUMENT COMPLIES WITH CHAPTER 61G15-36 OF THE FLORIDA ADMINISTRATIVE CODE (FAC).
5. ANY MODIFICATIONS OR ADDITIONS TO THIS PRODUCT EVALUATION DOCUMENT WILL VOID THIS PRODUCT EVALUATION DOCUMENT.
6. THIS COMPOSITE STRUCTURAL WALL PANEL SYSTEM HAS NOT BEEN TESTED FOR AIR AND WATER INFILTRATION. AIR AND WATER INFILTRATION SHALL BE ADDRESSED IN SITE SPECIFIC APPLICATIONS WITH BUILDING CODE APPROVED FINISHES.
7. THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM SHALL BE PERMANENTLY LABELED IN A VISIBLE MANNER, AS FOLLOWS: FRO-MAR COMPOSITE STRUCTURAL WALL PANEL SYSTEM, MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

DESIGN RESPONSIBILITIES

8. THIS PRODUCT EVALUATION DOCUMENT WAS PREPARED BY THE PRODUCT MANUFACTURER' DESIGN PREFESSIONAL AND IS GENERIC. IT DOES NOT INCLUDE INFORMATION PREPARED FOR OR APPLICABLE TO A SPECIFIC PROJECT OR SITE.
9. THIS PRODUCT EVALUATION DOCUMENT IS ONLY FOR USE BY A LICENSED PROFESSIONAL ENGINEER OR AN ARCHITECT ACTING AS A DELEGATED ENGINEER IN ACCORDANCE WITH THE FAC, CHAPTER 61G15-36.003(3). THE DELEGATED ENGINEER SHALL NOT BE REQUIRED TO SUBMIT DELEGATED ENGINEERING DOCUMENTS TO THE PRODUCT MANUFACTURER AS THE DELEGATED ENGINEER IS WHOLLY RESPONSIBLE FOR THE SPECIFIC USE OF THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM. THE DELEGATED ENGINEER SHALL BE THE ENGINEER OF RECORD FOR ANY APPLICATION OF THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM.
10. WHERE AN ARCHITECT OR REGISTERED PROFESSIONAL ENGINEER ELECTS TO UTILIZE THIS SYSTEM AS A COMPONENT IN HIS (HER) CAPACITY AS ENGINEER OF RECORD, THEN HIS (HER) ROLE IN SPECIFYING THIS SYSTEM SHALL HAVE THE SAME RESPONSIBILITY AS A DELEGATED ENGINEER IN ACCORDANCE WITH FAC, CHAPTER 61G15-31.001.
11. THE ENGINEER OF RECORD IS RESPONSIBLE FOR SPECIFYING ALL LOAD CRITERIA, INCLUDING ALL DEAD LOADS, LIVE LOADS, WIND LOADS, SEISMIC LOADS, SNOW LOADS AND ANY OTHER LOAD CRITERIA APPLICABLE TO THE PROJECT AND THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM.
12. THE DESIGN OF CONNECTIONS AT THE TOP AND BOTTOM OF THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM TO SUPPORTING ELEMENTS SHALL BE THE RESPONSIBILITY OF THE DELEGATED ENGINEER.
13. THE DELEGATED ENGINEER IS RESPONSIBLE FOR THE DESIGN OF ADDITIONAL STRUCTURAL MEMBERS, INCLUDING HEADERS, JAMBS AND SILLS REQUIRED AT ALL WALL PENETRATIONS.
14. THE DELEGATED ENGINEER IS RESPONSIBLE FOR THE DESIGN OF THE WALL PANELS USED TO RESIST LATERAL (RACKING) LOADS.

COMPOSITE STRUCTURAL WALL PANEL SYSTEM DESIGN CRITERIA

15. THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM IS DESIGNED TO BE INSTALLED AS AN EXTERIOR LOAD BEARING WALL, AN INTERIOR LOAD BEARING WALL OR AS A NON-LOAD BEARING EXTERIOR CURTAIN WALL. THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM IS DESIGNED TO SPAN VERTICALLY AS A SIMPLE SPAN BETWEEN LATERALLY SUPPORTED ELEMENTS AT THE TOP AND THE BOTTOM OF THE WALL SYSTEM. THE ELEMENTS PROVIDING LATERAL SUPPORT FOR THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM SHALL BE OF APPROPRIATE MATERIALS AND SHALL BE DESIGNED BY THE PROJECT ENGINEER OF RECORD OR THE DELEGATED ENGINEER, AS APPROPRIATE, IN ACCORDANCE WITH THE CURRENT EDITION OF THE FBC.
16. THIS PRODUCT EVALUATION DOCUMENT PROVIDES SPECIFIC STRUCTURAL PROPERTIES FOR USE BY A DELEGATED ENGINEER. WHERE STRUCTURAL PROPERTIES ARE NOT ADDRESSED, THE DELEGATED ENGINEER SHALL DESIGN THE ELEMENTS IN ACCORDANCE WITH THE FBC. WHERE COMBINATIONS OF STRUCTURAL PROPERTIES ARE REQUIRED, THE DESIGN PROFESSIONAL SHALL DETERMINE THE APPROPRIATE INTERACTION EQUATIONS FOR THE DESIGN VALUES PRESENTED HEREIN.

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17. THE COMPOSITE STRUCTURAL WALL PANEL SYSTEM DESCRIBED IN THIS PRODUCT EVALUATION DOCUMENT HAS BEEN EVALUATED BY TESTING FOR STRUCTURAL PROPERTIES INCLUDING AXIAL COMPRESSIVE LOADING, AXIAL TENSION LOADING, IN-PLANE SHEAR (RACKING) LOADING, OUT-OF-PLANE FLEXURAL LOADING (UNIFORM TRANSVERSE LOADING) AND LARGE MISSILE IMPACT LOADING. THE RESULTS OF THE TESTING PROGRAM ARE SUMMARIZED IN TABLE 1 AND INCLUDE THE ALLOWABLE LOAD AND A STATEMENT OF THE FACTOR OF SAFETY.
    a. THE FACTORS OF SAFETY FOR AXIAL COMPRESSIVE LOADING, AXIAL TENSION LOADING, AND IN-PLANE SHEAR (RACKING) LOADING HAVE BEEN DETERMINED IN ACCORDANCE WITH THE AISI NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AISI S100-07/S2-10.
    b. THE FACTOR OF SAFETY FOR OUT-OF-PLANE FLEXURAL LOADING (UNIFORM TRANSVERSE LOADING) IS 1.5 BASED ON TESTING IN ACCORDANCE TAS 202 AT A STRUCTURAL TEST PRESSURE (STP) OF 1.5 X DESIGN PRESSURE AS ALLOWED BY ASTM E72-05, SECTION 11 OR 12. DEFLECTION AT THE DESIGN PRESSURE DID NOT EXCEED L/480. PERMANENT SET AT STRUCTURAL TEST PRESSURE DID NOT EXCEED 0.4% OF HEIGHT.
18. THE AXIAL COMPRESSIVE LOAD CAPACITY, THE AXIAL TENSILE LOAD CAPACITY, AND THE OUT-OF-PLANE FLEXURAL LOAD CAPACITY (TRANSVERSE LOAD CAPACITY) STATED IN TABLE 1, ASSUMES A UNIFORMLY DISTRIBUTED LOAD. IT IS THE RESPONSIBILITY OF THE DELEGATED ENGINEER TO CONSIDER THE EFFECTS OF ANY CONCENTRATED LOADS AND PROVIDE LOCAL REINFORCEMENT, IF NECESSARY, FOR THE CONCENTRATED LOAD.
19. THE RACKING LOAD CAPACITY ASSUMES A UNIFORMLY APPLIED RACKING LOAD. IT IS THE RESPONSIBILITY OF THE DELEGATED ENGINEER TO CONSIDER THE EFFECTS OF ANY CONCENTRATED RACKING LOADS AND PROVIDE LOCAL REINFORCEMENT, IF NECESSARY, FOR THE CONCENTRATED LOAD.
20. FOR THE PURPOSE OF DETERMINING RACKING RESISTANCE, THE WALL PANEL ELEMENT TO BE EVALUATED SHALL BE CONSIDERED TO BE OF ANY LENGTH BUT SHALL NOT INCLUDE CONSIDERATION OF ELEMENTS CONTAINING WALL PENETRATIONS (WINDOWS OR DOORS) AND SHALL BE NOT LESS THAN THREE SOLID PANELS IN LENGTH. GUSSET PLATES SHALL BE REQUIRED AT EACH END OF ALL WALL PANEL ELEMENTS PROVIDING RACKING RESISTANCE. GUSSET PLATES SHALL BE REQUIRED AT INTERVALS NOT EXCEEDING FIVE SOLID PANELS IN LENGTH OF THE WALL PANEL ELEMENT OR ELEMENTS USED IN DETERMINING RACKING RESISTANCE.
21. ADDITIONAL STRUCTURAL MEMBERS, INCLUDING HEADERS, JAMBS AND SILLS MAY BE REQUIRED AT WALL PENETRATIONS. THEY SHALL BE DESIGNED FOR ALL REQUIRED LOADS.
22. STRUCTURAL DATA HAS BEEN EXTRACTED FROM THE FOLLOWING TEST REPORTS:
    ATI 83797.01-119-16 - PANEL COMPRESSION AND TENSILE LOAD TESTS.
    ATI 94061.01-119-18 - PANEL TENSION AND MATERIAL TENSILE LOAD TESTS.
    CTLA 1697W - STRUCTURAL (WIND LOADS) ON A SOLID PANEL ASSEMBLY.
    CTLA 1697W-1 - STRUCTURAL (WIND LOADS) ON A PANEL ASSEMBLY CONTAINING A WINDOW
    CTLA 1697W-2 - STRUCTURAL (WIND LOADS) ON A PANEL ASSEMBLY CONTAINING A DOOR.
    CTLA 1697W-3 - RACKING LOAD ON A SOLID PANEL ASSEMBLY.

Table 2 – Sheet Metal Screw Specification
See Bill of Materials for specific applications.

- Screw Type: Self Drilling/Self-Tapping
- Head Type: Phillips Pan Head (PPH), Hex Head (HH) or Hex Washer Head (HWH). Where no head type is explicitly stated, any of these three head types may be used.
- Size: No. 8 or No. 10.
- Length: As required to provide three (3) exposed threads on point side of connection.
- Material: Hardened Steel – Corrosion Resistant Coating required.
- Meets/Exceeds: ANSI/ASME B18.6.4

COMPOSITE STRUCTURAL WALL PANEL SYSTEM MATERIALS

23. ALL STEEL STRUCTURAL COMPONENTS (SKIN / STUD COMBINATIONS, TOP AND BOTTOM TRACKS, JACK STUDS, HEAD AND KNEE STUDS, SILL AND HEADER STIFFENER, ETC.) SHALL BE ASTM A653, GRADE 40 (47.0KSI MINIMUM YIELD STRENGTH) AND SHALL HAVE A G60 GALVANIZED COATING.
24. ALL ANCILLARY STEEL PARTS (GUSSET PLATES, CLIP ANGLES, FLAT STRAP BRACING, HEADER COVER PLATE, ETC.) SHALL BE ASTM A653, GRADE 30 (33.0KSI MINIMUM YIELD STRENGTH) AND SHALL HAVE A G60 GALVANIZED COATING.

Table 1 - Design Criteria

Design Parameter	Ultimate Load	Allowable Load (Ultimate/SF)	Safety Factor (SF)
Compressive Load (lbs/ft)	7734	3966	1.95
Tension Load (lbs/ft)	1419	727	1.95
Racking Load (lbs/ft)	1296	648	2
Transverse Load (psf)	+67.5 / -94.5	+45 / -63	See Note 17.b.
Large Missile Impact Rating	Tested to TAS 201 & TAS 203, Large Missile Impact Requirements at +45 / -63 Design Pressure.		

PROJECT NO. 414-0411

REV	DESCRIPTION	DATE	BY
D	UPDATE TO 2010 FBC & 5TH ED. FBC (2014)	10/27/14	RJA
C	PER MIAMI-DADE COMMENTS 02/17/10	02/23/10	SC
B	PER MIAMI-DADE COMMENTS 03/18/09	12/30/09	SC

SUPER STUD BUILDING PRODUCTS SOUTH, LLC
2960 WOODBRIDGE AVENUE
EDISON, NJ 08837

IMPACT FRO MAR COMPOSITE STRUCTURAL WALL PANEL SYS.
GENERAL AND INSTALLATION NOTES

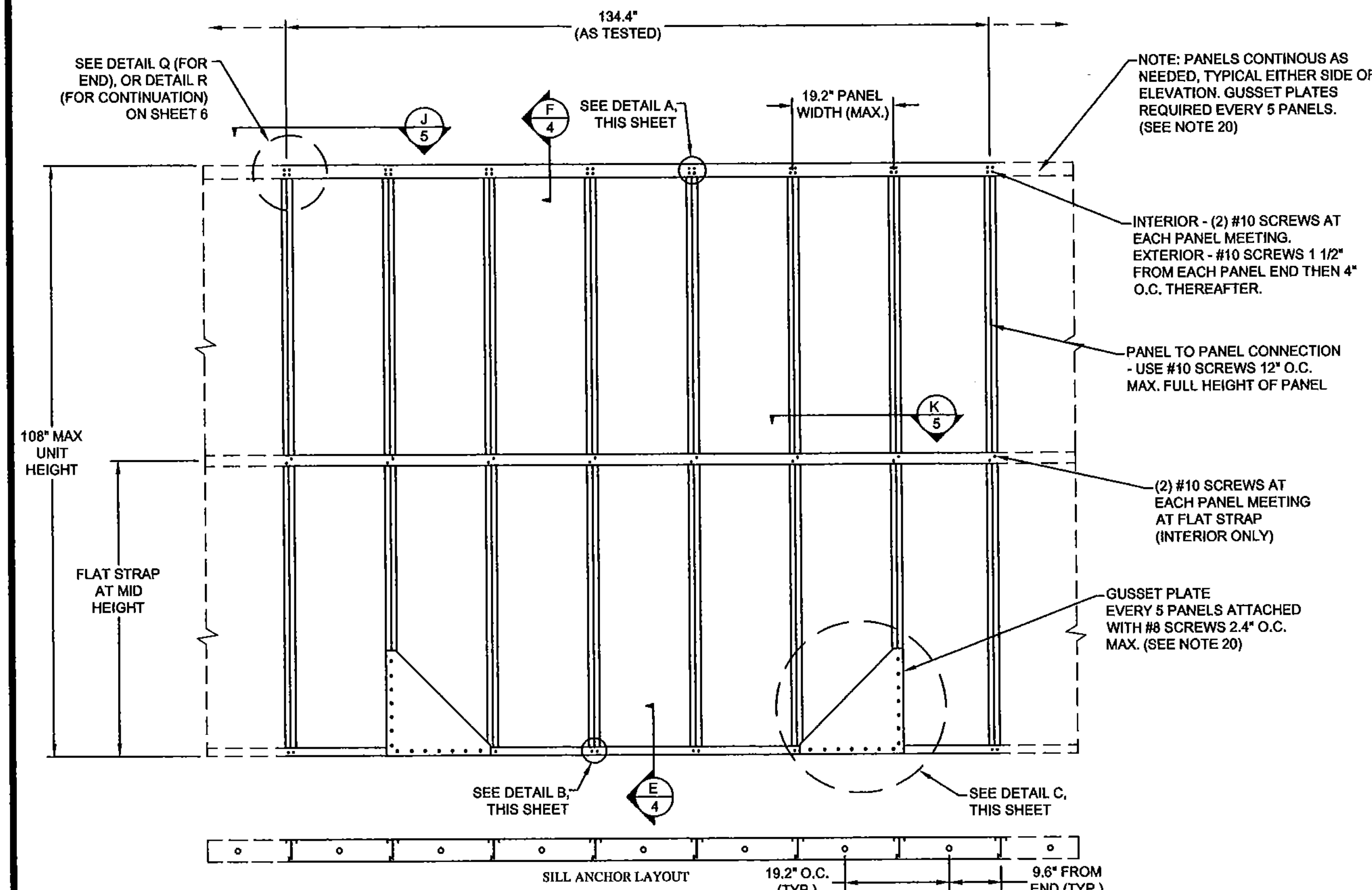
DRAWN BY: SMC | DATE: 01/07/09
SCALE: N.T.S. | DRAWING NO: SSBP0001
REV: D | SHEET: 1 OF 7

PREPARED BY:
PTC Product Design Group, LLC
PO Box 620775
Longwood, FL 32762-0775
FBPE C.A. NO. 26835
Phone: 321.690.1788
Email: info@ptc-corp.com

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-1103.04
Expiration Date 03/31/2020
By [signature]
Miami Dade Product Control

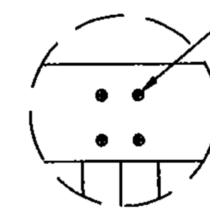
Robert J. Amoruso, P.E.
Florida P.E. No. 49752

ROBERT JAMES AMORUSO
LICENSE
No 49752
[signature] 2/24/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER



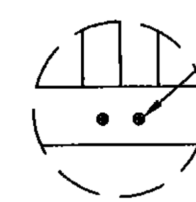
ELEVATION & ANCHOR LAYOUT

INTERIOR VIEW



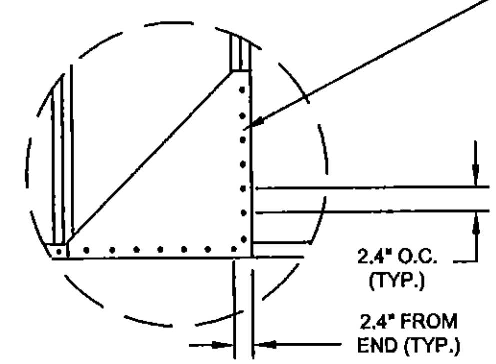
DETAIL A

INTERIOR VIEW
TOP TRACK



DETAIL B

INTERIOR VIEW
BOTTOM TRACK



DETAIL C

INTERIOR VIEW
GUSSETT PLATE

PROJECT NO. 414-0411

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D	UPDATE TO 2010 FBC & 5TH ED. FBC (2014)	10/27/14	RJA
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SUPER STUD BUILDING PRODUCTS SOUTH, LLC
2960 WOODBRIDGE AVENUE
EDISON, NJ 08837

IMPACT FRO MAR COMPOSITE STRUCTURAL WALL PANEL SYS.
ELEVATION & ANCHOR LAYOUT

DRAWN BY: SMC
DATE: 01/07/09
SCALE: N.T.S.
DRAWING NO: SSBP0001
REV: D
SHEET: 2 OF 7

PREPARED BY:
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as complying with the Florida Building Code
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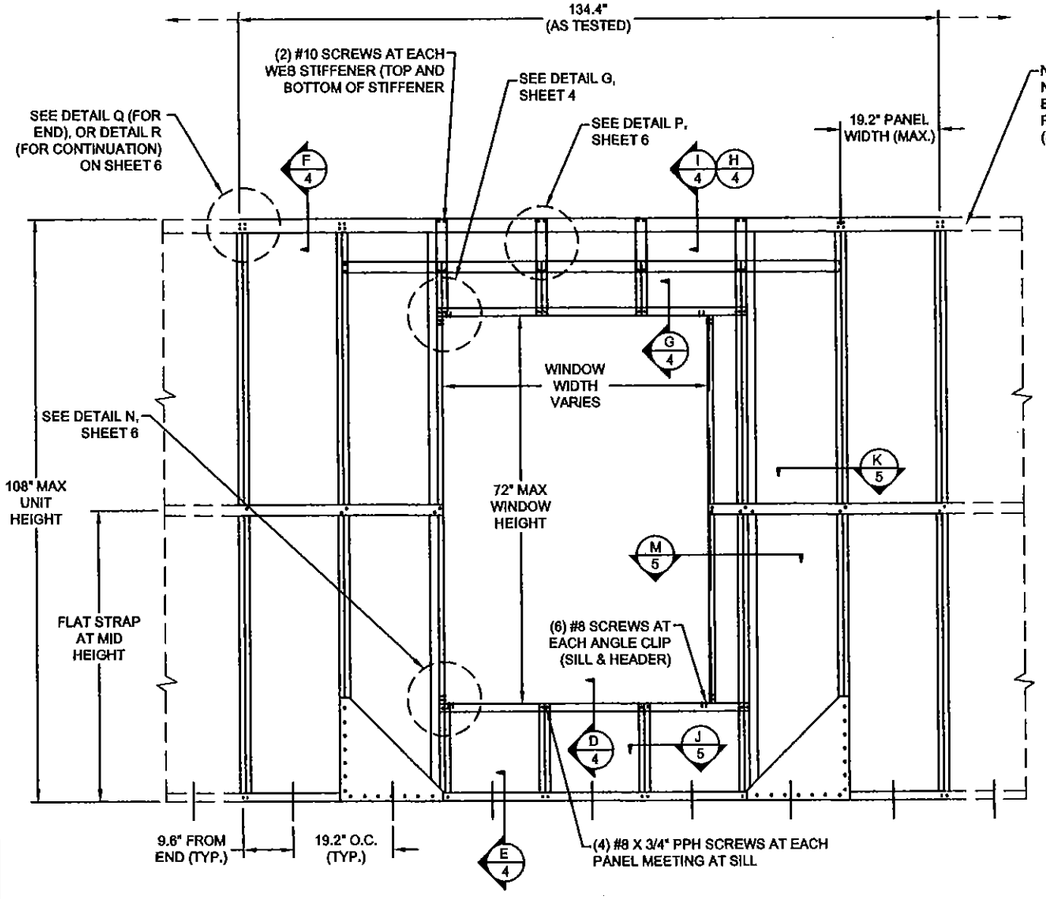
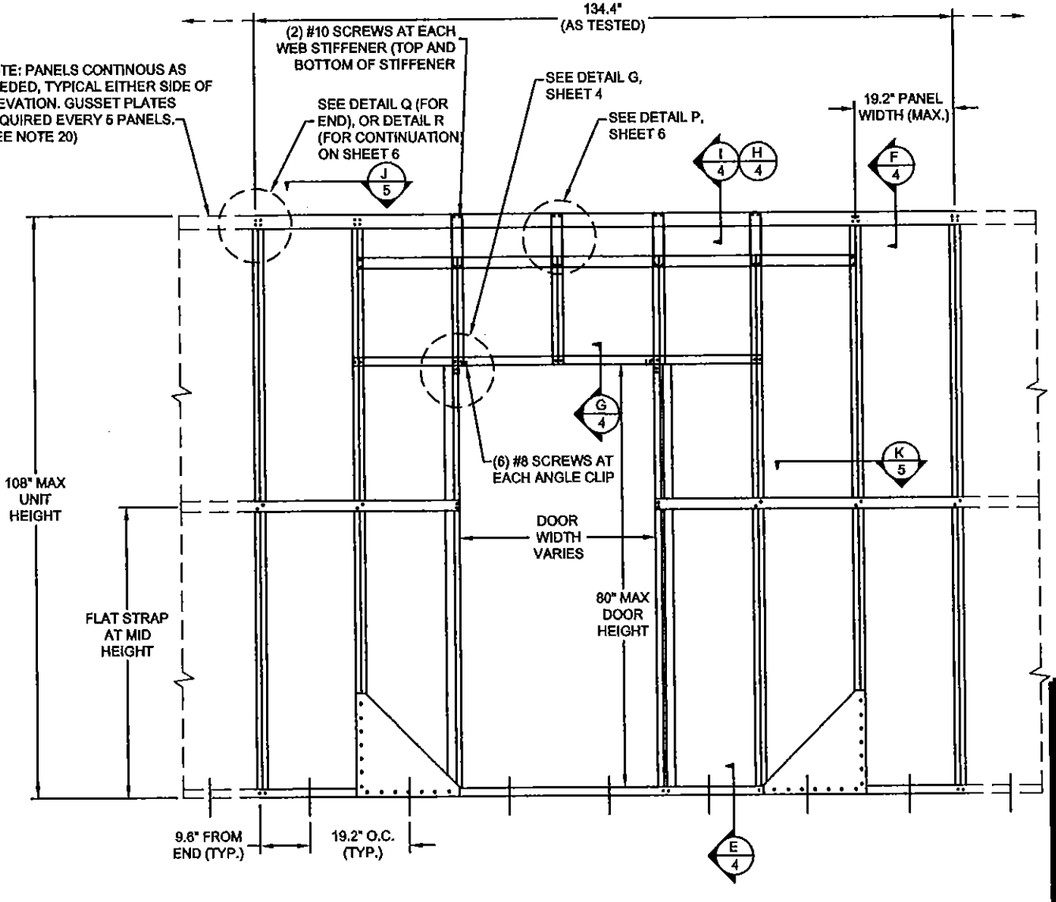
STATE OF FLORIDA
PROFESSIONAL ENGINEER



ELEVATION & ANCHOR LAYOUT

INTERIOR VIEW



ELEVATION & ANCHOR LAYOUT

INTERIOR VIEW

REV	DESCRIPTION	DATE	BY
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SUPER STUD BUILDING PRODUCTS SOUTH, LLC
2960 WOODBRIDGE AVENUE
EDISON, NJ 08837

IMPACT FRO MAR COMPOSITE STRUCTURAL WALL PANEL SYS.
ELEVATIONS & ANCHOR LAYOUTS

DRAWN BY: SMC | DATE: 01/07/09
SCALE: N.T.S. | DRAWING NO: SSBP0001
REV: D | SHEET: 3 OF 7

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PRODUCT REVISED
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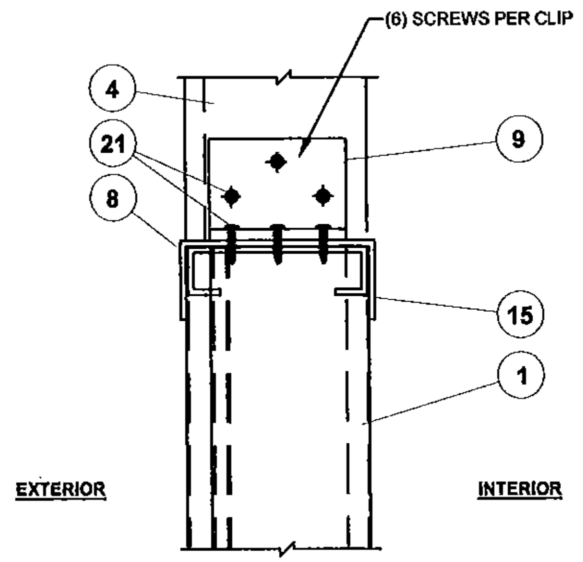
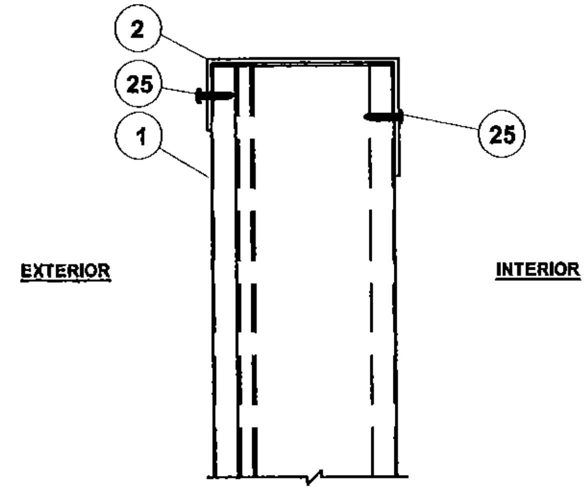
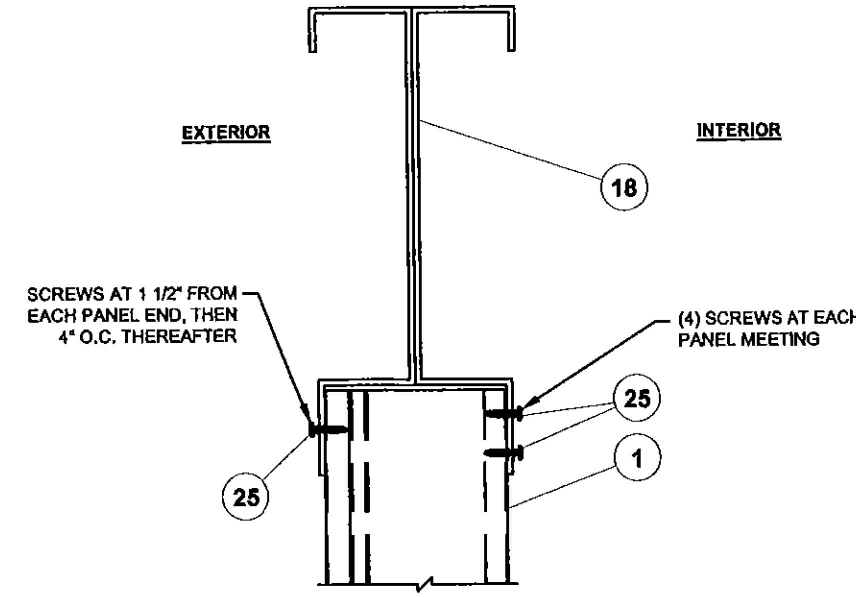


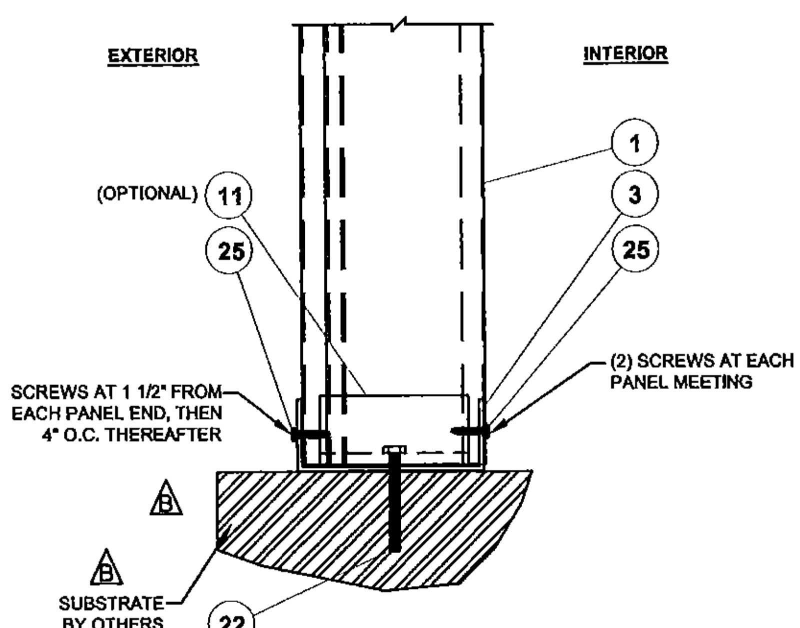
D **VERTICAL SECTION**
AT WINDOW SILL



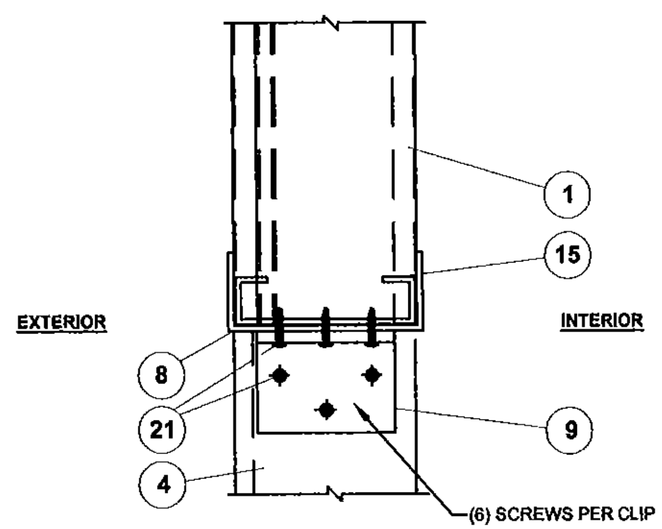
F **VERTICAL SECTION**
PANEL AT TOP TRACK



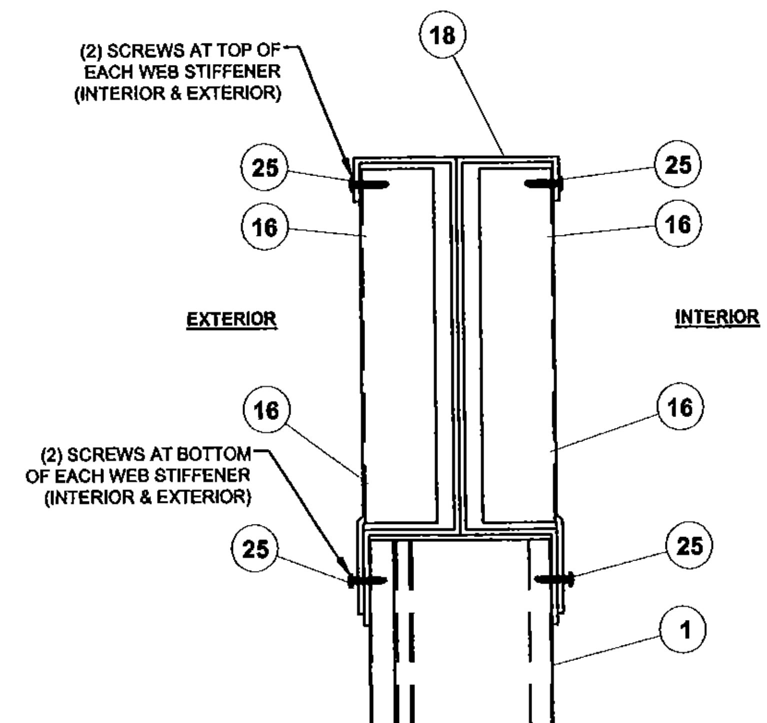
H **VERTICAL SECTION**
HEADER BETWEEN WEB STIFFENERS



E **VERTICAL SECTION**
CONNECTION AT SILL
VARIOUS SUBSTRATES B



G **VERTICAL SECTION**
WINDOW OR DOOR HEADER



I **VERTICAL SECTION**
HEADER AT WEB STIFFENERS

SEE SHEETS 6 AND 7 FOR ITEM NUMBER REFERENCE.

PROJECT NO. 414-0411

REV	DESCRIPTION	DATE	BY
D	UPDATE TO 2010 FBC & 5TH ED. FBC (2014)	10/27/14	RJA
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SUPER STUD BUILDING PRODUCTS SOUTH, LLC
2960 WOODBRIDGE AVENUE
EDISON, NJ 08837

IMPACT FRO MAR COMPOSITE STRUCTURAL WALL PANEL SYS.
VERTICAL SECTIONS

DRAWN BY: SMC	DATE: 01/07/09
SCALE: N.T.S.	DRAWING NO: SSBP0001
REV: D	SHEET: 4 OF 7

PREPARED BY:
PTC Product Design Group
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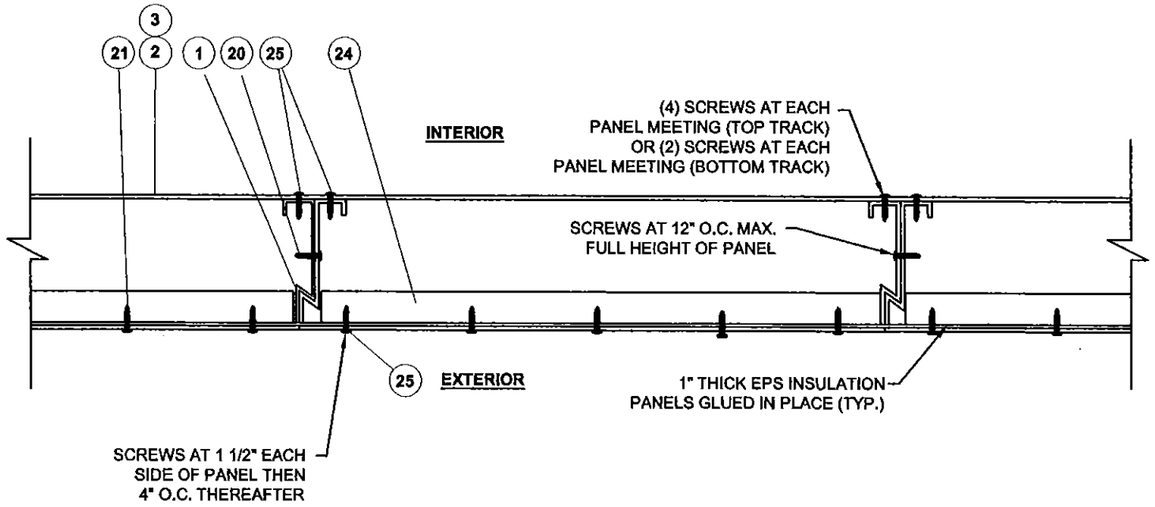
Email: info@ptc-corp.com

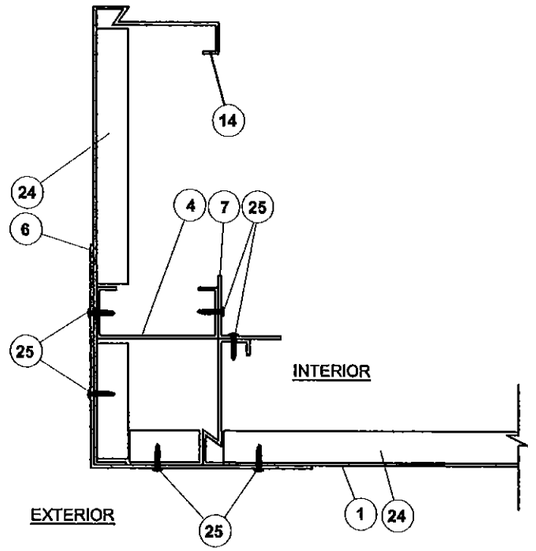
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 14-1103.04
Expiration Date 03/31/2020
By [signature]
Miami Dade Product Control

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

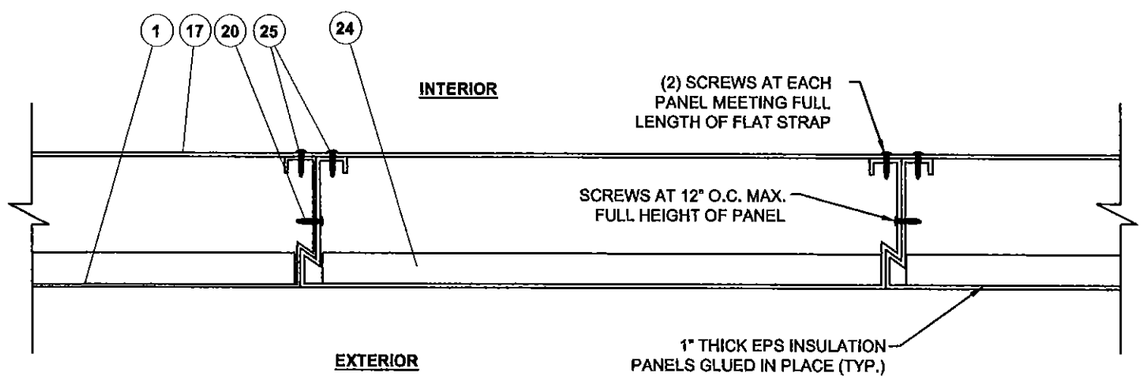
ROBERT JAMES AMORUSO
LICENSE
No 49752
2/24/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER



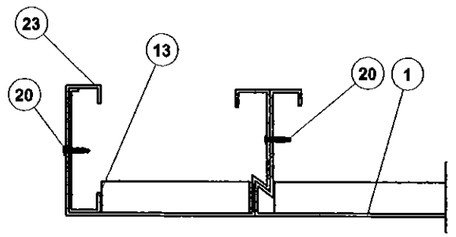
J **HORIZONTAL SECTION**
PANELS AT TOP AND BOTTOM TRACK



L **HORIZONTAL SECTION**
CORNER CONNECTION



K **HORIZONTAL SECTION**
PANELS AT FLAT STRAP



M **HORIZONTAL SECTION**
PANELS AT JAMB SUPPORT

SEE SHEETS 6 AND 7 FOR ITEM NUMBER REFERENCE.

REV	DESCRIPTION	DATE	BY
D	UPDATE TO 2010 FBC & 5TH ED. FBC (2014)	10/27/14	RJA
C	PER MIAMI-DADE COMMENTS 02/17/10	02/23/10	SC
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PROJECT NO. 414-0411

SUPER STUD BUILDING PRODUCTS SOUTH, LLC
2960 WOODBRIDGE AVENUE
EDISON, NJ 08837

IMPACT FRO MAR COMPOSITE STRUCTURAL WALL PANEL SYS.
HORIZONTAL SECTIONS

DATE: 01/07/09
DRAWN BY: SMC
DRAWING NO: SSBP0001
SCALE: N.T.S.
SHEET: 5 OF 7
REV: D

PREPARED BY:
Precision Design Group, Inc.
PO Box 320775
Longwood, FL 32750-0775
FBPE C.A. NO. 29935
Phone: 321.890.1788
Email: info@pdc-corp.com

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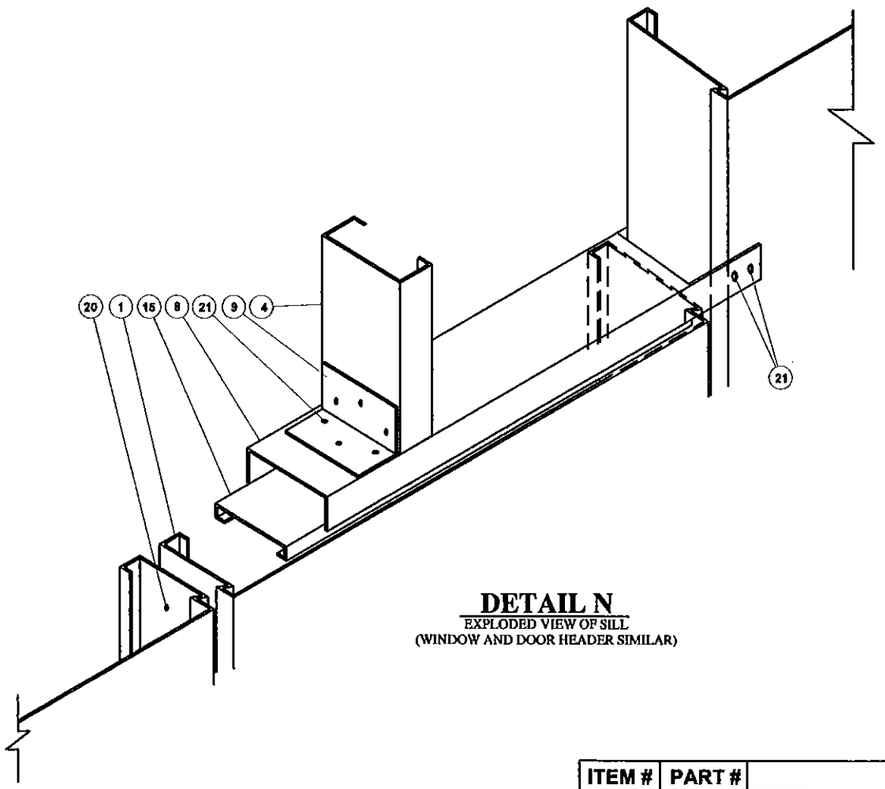
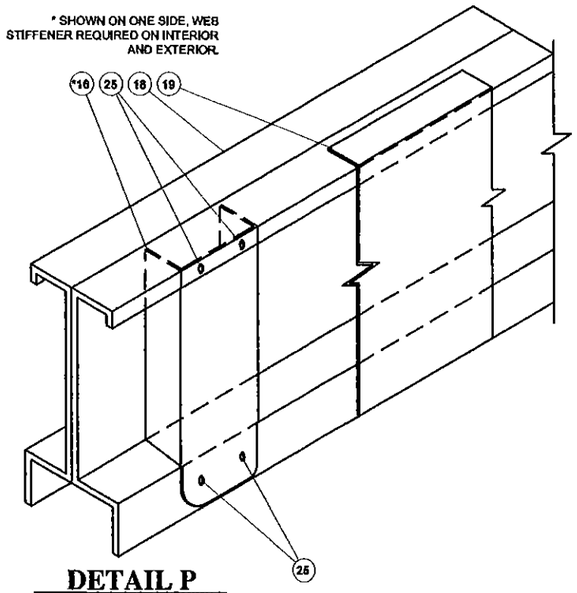
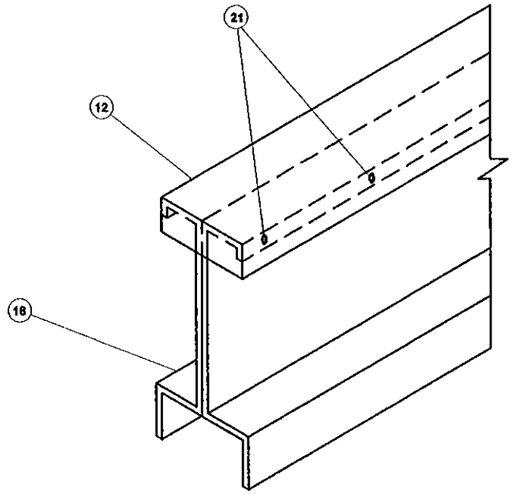


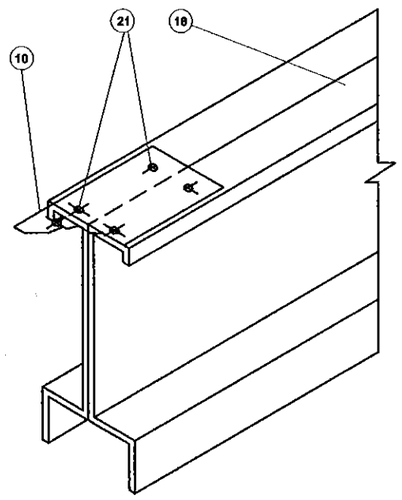
DETAIL N
EXPLODED VIEW OF SILL
(WINDOW AND DOOR HEADER SIMILAR)



DETAIL P
HEADER WITH COVER PLATE
AND WEB STIFFENER



⚠ DETAIL Q
HEADER WITH CORNER CAP



DETAIL R
HEADER WITH TOP PANEL BRACE

BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER
1		WALL PANEL	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
2		TOP TRACK	18 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
3		BOTTOM TRACK	18 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
4		JACK STUD	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
5		GUSSETT PLATE	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
6		OUTSIDE CORNER	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
7		INSIDE CORNER	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
8		SILL & HEADER TRACK	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
9		2" X 2" X 3 3/4" CLIP ANGLE	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
10		3 1/4" X 24" TOP PANEL BRACE (WALL PANEL CONNECTION)	18 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
11		HOLD DOWN PLATE (OPTIONAL)	12 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
12		CORNER CAP	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
13		JAMB SUPPORT	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
14		END PANEL	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
15		SILL & HEADER STIFFENER	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
16		WEB STIFFENER	18 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
17		2" FLAT STRAP	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
18		HEADER	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
19		COVER PLATE	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
20		#10 SCREW	SEE TABLE 2, SHT. 1	---
21		#8 SCREW	SEE TABLE 2, SHT. 1	---
⚠ 22		ANCHOR BOLT - ENGINEERED BY OTHERS	---	---
23		FILLER PANEL	20 GA. STEEL	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
24		1" EPS INSULATION PANEL	POLYSTYRENE	SUPER STUD BUILDING PRODUCTS SOUTH, LLC
25		#10 SCREW	SEE TABLE 2, SHT. 1	---

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REV	DESCRIPTION	DATE	BY

SUPER STUD BUILDING PRODUCTS SOUTH, LLC
2960 WOODBRIDGE AVENUE
EDISON, NJ 08837

IMPACT FRO MAR COMPOSITE STRUCTURAL WALL PANEL SYS.
DETAILS & BILL OF MATERIALS

DRAWN BY: SMC | DATE: 01/07/09
SCALE: N.T.S. | DRAWING NO: SSBP0001
REV: D | SHEET: 6 OF 7

PREPARED BY:
Product Design Group, Inc.
PO Box 820775
Longwood, FL 32782-0775
FBPE C.A. NO. 29935
Phone: 321.890.1788
Email: info@pdgic-corp.com

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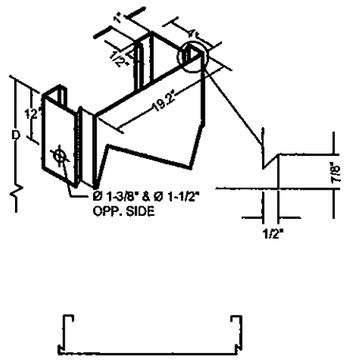
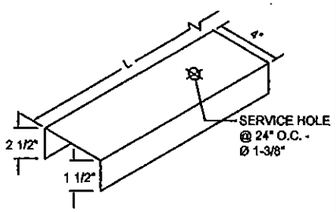
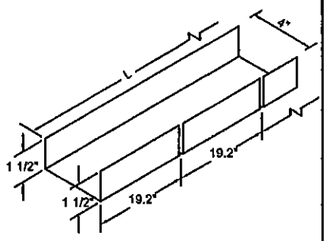
① PANEL



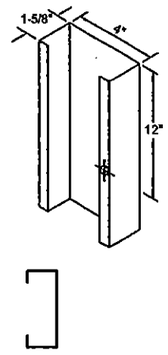
② TOP TRACK



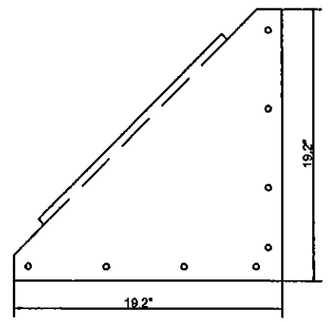
③ BOTTOM TRACK



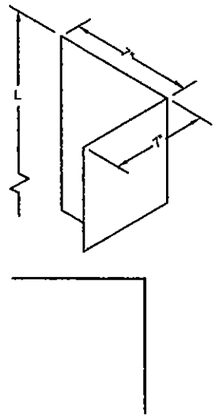
④ JACK STUD



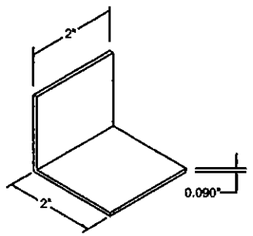
⑤ GUSSETT PLATE



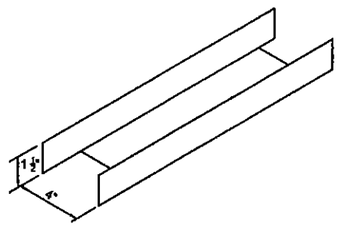
⑥ OUTSIDE CORNER



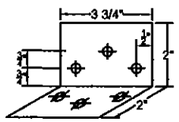
⑦ INSIDE CORNER



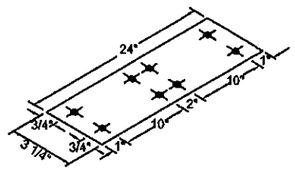
⑧ SILL & HEADER TRACK



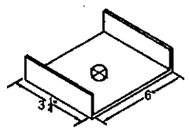
⑨ CLIP ANGLE



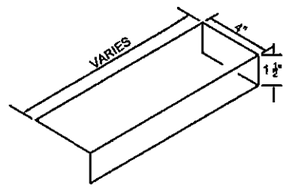
⑩ TOP PANEL BRACE



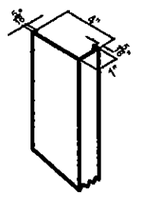
⑪ HOLD DOWN PLATE



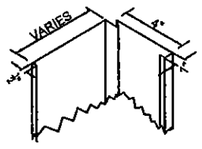
⑫ CORNER CAP



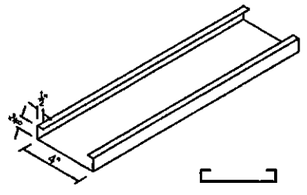
⑬ JAMB SUPPORT



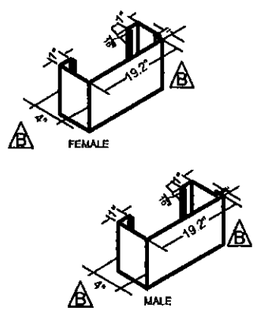
⑭ END PANEL



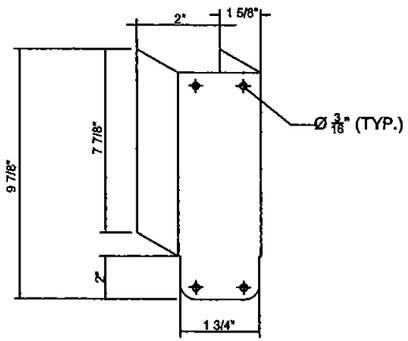
⑮ SILL & HEADER STIFFENER



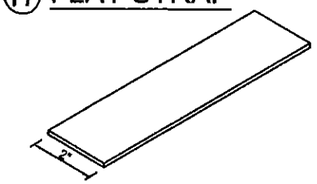
㉓ FILLER PANEL



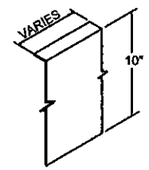
⑯ WEB STIFFENER



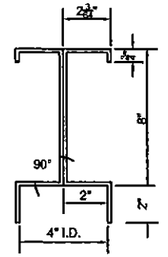
⑰ FLAT STRAP



⑲ COVER PLATE



⑱ HEADER



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IMPACT FRO MAR COMPOSITE STRUCTURAL WALL PANEL SYS. COMPONENTS

PREPARED BY: Precision Design Group, Inc. PO Box 520775 Longwood, FL 32752-0775 FBPE C.A. NO. 29565 Phone: 321.690.1788 Email: lisa@pdc-corp.com

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